

DOCUMENT RESUME

ED 424 894

JC 990 002

TITLE Admission of Students under the Age of Eighteen (ARS 15-1821), Fiscal Year 1997-1998. Report.

INSTITUTION Arizona State Board of Directors for Community Colleges, Phoenix.

PUB DATE 1998-00-00

NOTE 51p.

PUB TYPE Numerical/Quantitative Data (110) -- Reports - Descriptive (141)

EDRS PRICE MF01/PC03 Plus Postage.

DESCRIPTORS *Adolescents; Community Colleges; *Course Descriptions; Credit Courses; *Enrollment; State Surveys; Tables (Data); *Two Year College Students; Two Year Colleges

IDENTIFIERS *Arizona

ABSTRACT

Focusing on students under the age of 18 who have not yet attained a high school diploma or certificate of equivalency, this report provides tables illustrating the numbers of these students enrolled in credit courses in Arizona community colleges from September 1997 to August 1998. In 1998, 26,277 such students were enrolled--twice the number from the previous year. The first few sections of the report present data on Maricopa County enrollment trends for fiscal years 1995-1996 to 1997-1998, broken down by college; a statewide summary of the ten most popular courses; and statewide data by college district. Individual sets of information are given for the following Arizona institutions: (1) Cochise College; (2) Coconino Community College; (3) Eastern Arizona College; (4) the Maricopa Community Colleges, including Chandler-Gilbert, Estrella Mountain, GateWay, Glendale, Mesa, Paradise Valley, Phoenix, Rio Salado, Scottsdale, and South Mountain; (5) Mohave Community College; (6) Northland Pioneer College; (7) Pima Community College; (8) Central Arizona College; (9) Yavapai College; and (10) Arizona Western College. For each college, data are provided on the number of students under 18 enrolled in the ten most popular courses, with the course titles, numbers, and descriptions following. (Contains two charts and 20 data tables.) (EMH)

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State Board of Directors for Community Colleges of Arizona

Report on Admission of Students Under the Age of Eighteen (A.R.S. §15-1821) FY 1997-1998



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STATE BOARD OF DIRECTORS FOR COMMUNITY COLLEGES OF ARIZONA

3225 N. CENTRAL AVENUE, SUITE 1220 PHOENIX, ARIZONA 85012-2411
TEL (602) 255-4037 FAX (602) 279-3464

November 10, 1998

Honorable Brenda Burns, President
Arizona State Senate
1700 West Washington
Phoenix, Arizona 85007

Dear President Burns:

It is my pleasure, on behalf of the State Board of Directors for Community Colleges of Arizona, to present the *Report on Admission of Students Under the Age of Eighteen (A.R.S. § 15-1821), FY 1997-1998*. This report includes information on the number of students and the courses taken by these students at one of Arizona's Community Colleges in the past year.

The State Board and I appreciate your continued support and encouragement for the community colleges of Arizona.

Sincerely,

A handwritten signature in cursive script, reading "T. O. Beach", is written over a faint, larger version of the same signature.

T. O. Beach
Chairman



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3225 N. CENTRAL AVENUE, SUITE 1220 PHOENIX, ARIZONA 85012-2411
TEL (602) 255-4037 FAX (602) 279-3464

November 10, 1998

Honorable Jeff Groscost, Speaker
Arizona House of Representatives
1700 West Washington
Phoenix, Arizona 85007

Dear Speaker Groscost:

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T. O. Beach
Chairman



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3225 N. CENTRAL AVENUE, SUITE 1220 PHOENIX, ARIZONA 85012-2411
TEL (602) 255-4037 FAX (602) 279-3464

November 10, 1998

State Board of Education
1535 West Jefferson Street
Phoenix, Arizona 85007

Dear State Board of Education:

It is my pleasure, on behalf of the State Board of Directors for Community Colleges of Arizona, to present the *Report on Admission of Students Under the Age of Eighteen (A.R.S. § 15-1821), FY 1997-1998*. This report includes information on the number of students and the courses taken by these students at one of Arizona's Community Colleges in the past year.

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T. O. Beach
Chairman

1998 Acknowledgments

Many individuals contributed to the preparation of the *Report on Admission of Students Under the Age of Eighteen (A.R.S. § 15-1821), FY 1997-1998*. The following community college representatives are gratefully acknowledged for their assistance in the collection of data used in this report:

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Winifred A. Black

Yuma and La Paz Counties Community College District—Arizona Western College

LeSandra Bryan

Cochise County Community College District—Cochise College

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Daniel Simper

Navajo County Community College District—Northland Pioneer College

Eloise Young

Pinal County Community College District—Central Arizona College

In addition, the Report Team would also like to thank the State Board office staff for their time, effort, and cooperation in the production of this report.

Report Team 1998
Pete Gonzalez
Carol Thompson

**Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) FY 1997-1998**

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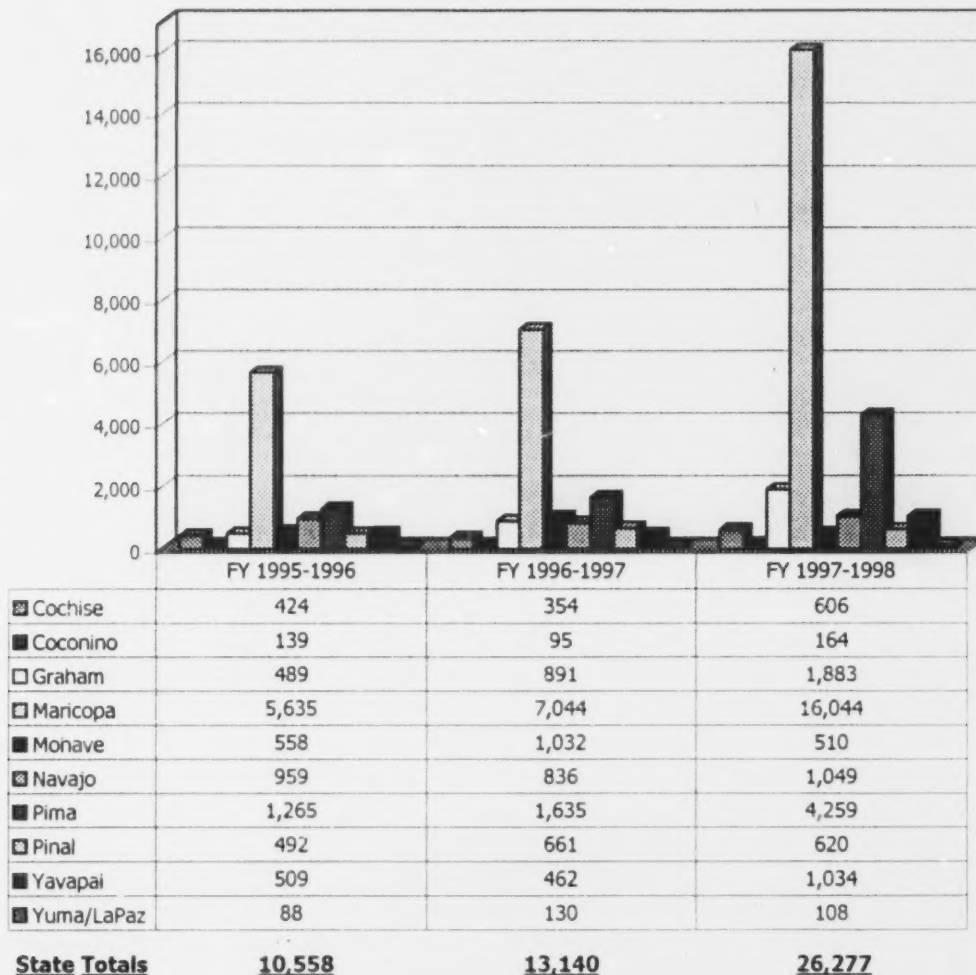
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Report on Admission of (A.R.S. §15-1821)

The State Board of Directors for Community Colleges is to provide a report by November 15 of each year on students under the age of eighteen who had not yet attained a high school diploma or high school certificate of equivalency and who were enrolled in a community college course or program for credit during the time period of September of the previous fiscal year through August of the current fiscal year.

District Enrollment Trends

Total Number of Students Under the Age of Eighteen Enrolled
in a Community College Course or Program for Credit
by Community College District
Fiscal Years 1995-1996 to 1997-1998

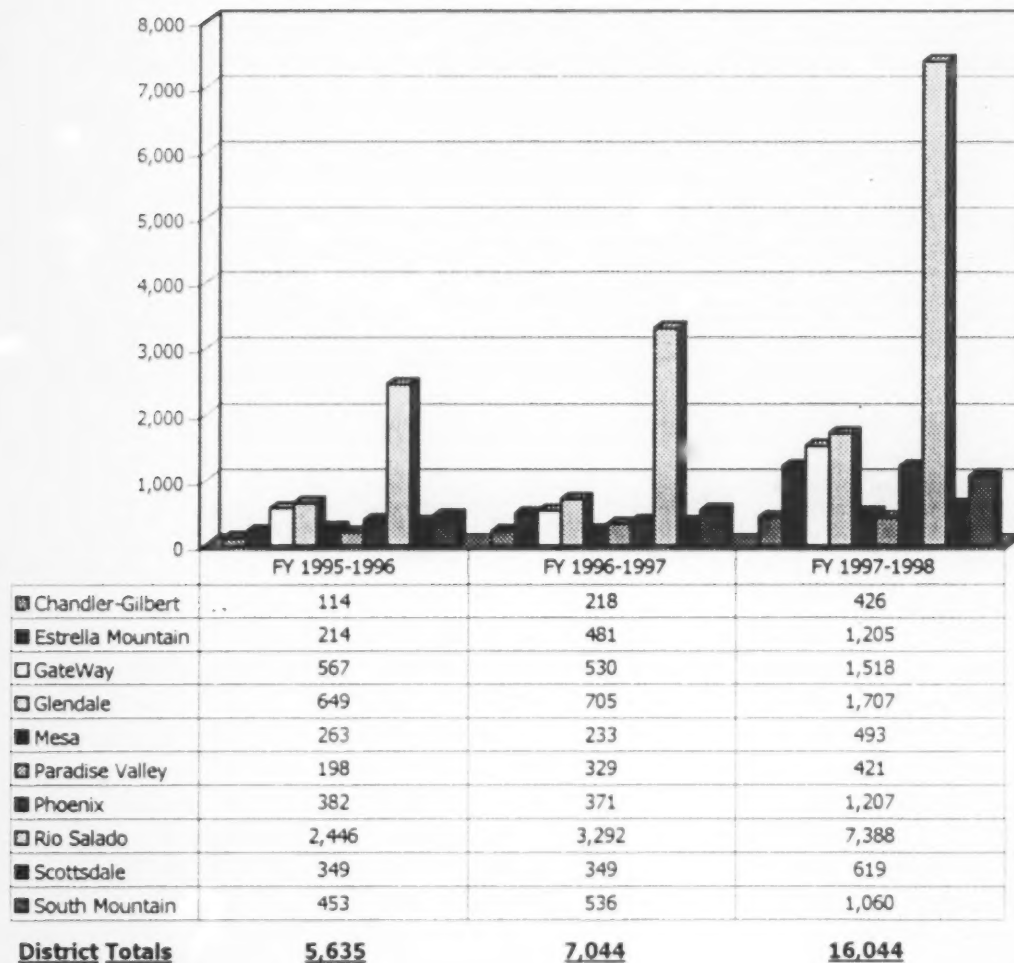


Students Under the Age of Eighteen FY 1997-1998

The annual report includes the number of students who were enrolled and a general narrative of the types of courses or programs in which the students were enrolled. This report is submitted to the President of the Senate, the Speaker of the House of Representatives, and the State Board of Education.

Maricopa County Enrollment Trends

Total Number of Students Under the Age of Eighteen Enrolled
in a Community College Course or Program for Credit
by Maricopa County Community College
Fiscal Years 1995-1996 to 1997-1998





STATE BOARD OF DIRECTORS FOR COMMUNITY COLLEGES
OF ARIZONA

ARTICLE 3. ADMISSIONS, ENROLLMENTS, FEES, WAIVERS

R7-1-301. Student Admissions

- A. Admission of regular students -- Admission to the community colleges in Arizona may be granted to any person who meets one of the following criteria:
1. Is a graduate of a high school which is accredited by a regional accrediting association as defined by the United States Office of Education or approved by a State Board of Education or other appropriate state educational agency
 2. Has a high school certificate of equivalency
 3. Is 18 years of age or older and demonstrates evidence of potential success in the community college
 4. Is a transfer student in good standing from another college or university
- B. Admission of students under 18 years of age
1. Admission to the community colleges in Arizona shall be granted to any student who is under age 18 and who achieves the following test scores:
 - a. SAT (Scholastic Aptitude Test) composite (verbal and math) of 930 or more, or an
 - b. ACT (American College Test) composite of 22 or more
 2. A student shall not be denied admission because of age, lack of a high school diploma or high school certificate of equivalency, grade in school, lack of permission of school officials or lack of concurrent enrollment in a public or private school, if the student has achieved at least the test score specified in paragraph (1)(a) or (b) of this subsection
 3. A student admitted under this subsection is not guaranteed admission to a specific degree program or to all courses offered by the community college
 4. A community college may limit the number of semester credit hours in which the student may enroll to no less than six semester credit hours.
- C. Admission of students in special status - Students not meeting any of the provisions stated above may be admitted on an individual basis with the approval of college officials, so long as the students meet the established requirements of the courses for which they enroll and the college officials determine that such admission is in the best interest of the students

Historical Note

Former Rule Chapter III Amended effective August 19, 1975 (Supp. 75-1). Amended effective May 9, 1984 (Supp. 84-3). Amended effective November 1, 1985 (Supp. 85-6). Correction, subsections (C)(2), (3), and (4) to amendment effective November 1, 1985 (Supp. 86-6). Amended effective February 8, 1991 (Supp. 91-1). Renumbered from R7-1-20 (Supp. 94-3).

Statewide Summary
The Ten Most Popular Community College Courses
(Grouped by Subject Area)

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) FY 1997-1998*

Subject	Number of Students Enrolled	Percent of Students Enrolled
First-Year Composition/Writing I	1,949	7%
First-Year Composition/Writing II	1,833	3%
Precalculus	658	3%
Computer-Related Studies	652	2%
General Biology	513	2%
Elementary Spanish I	493	2%
Finite Math	410	2%
General Physics	402	1%
Elementary Spanish II	369	1%
Calculus	324	1%
Total for These Courses	6,603	25%
All Other Miscellaneous Courses	19,674	75%
Total Number of Students Enrolled in ALL Courses	26,277	100%

Cochise County Community College District
Cochise College

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) FY 1997-1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
CHM 151	General Chemistry	43	7%
ENG 101	Composition	38	6%
MAT 182	Plane Trigonometry	36	6%
PHY 111	General Physics	35	6%
MAT 151	College Algebra	29	5%
MAT 220	Calculus I	26	4%
HIS 110	History of the U.S., 1607-1877	22	4%
CIS 198I	Const., Serv/Maint Pers Computer	20	3%
ART 130	Paint for Personal Develop I	17	3%
Total for These Courses		266	44%
All Other Miscellaneous Courses		340	56%
Total Number of Students Enrolled in ALL Courses		606	100%

Cochise College Course Descriptons

CHM 151 General Chemistry I 4 credits

Introduction to the general principles of chemistry with emphasis on quantitative relationships including properties of matter, chemical bonding and structure, nomenclature, chemical equations, stoichiometry, thermochemistry, and states of matter. Prerequisite: MAT 122 or equivalent; also high schol chemistry or CHM 100 with a grade of "C" or better.

ENG 101 Composition 3 credits

A thorough review of usage and syntax, study of and practice in the process of writing, methods of organization, expository patterns, and the documents paper based on library resources. Prerequisite: ENG 100 with C or better, or equivalent placement score on diagnostic essay; a college reading level of 11.0 demonstrated on a standardized placement exam; keyboard skills.

MAT 182 Plane Trigonometry 3 credits

An analytical approach to trigonometry based upon the unit circle concept; trigonometric functions, identities, conditional equations, radian measure graphs, logarithms, solution or

right and oblique triangles, inverse trigonometric functions and trigonometric form of complex numbers. Prerequisites: MAT 151 or approval of instructor.

PHY 111 General Physics

4 credits

Introduction to the general principles of physics in the areas of mechanics and thermodynamics. Special emphasis is placed on algebra to solve word problems. Prerequisite: MAT 122 or equivalent.

MAT 151 College Algebra

4 credits

A logical development of the real number system, field axioms as applied to algebra, sets and set notation, inequalities and absolute value, polynomial functions and their graphs, determinants and matrices, inverse functions, logarithmic and exponential functions, complex numbers, sequences, binomial theorem, and mathematical induction. Prerequisite: Two years of high school algebra, or MAT 122 with a grade of C or better.

MAT 220 Calculus I

5 credits

An integrated study in which analytic geometry is used to develop, understand, and apply calculus concepts. Prerequisite: Four years of high school mathematics or MAT 151 and MAT 182 or permission of instructor.

HIS 110 History of the U.S., 1607-1877

3 credits

A study of development of American characteristics and nationality from colonial beginnings through the period of Reconstruction, emphasizing the factors and forces which produced the Revolution, the Constitution, westward expansion, sectionalism and the Civil War.

**CIS 198I Construction Service, Maintenance
of Personal Computers**

2 credits

An introduction to the construction service and maintenance of the personal computer. Emphasis will be placed on computer components, how the state-of-the-art personal computer works, using the operating system, and servicing and maintaining it in an office networked environment. This course is taught in a hands-on environment.

ART 130 Paint for Personal Develop I

2 credits

Introduction to techniques of watercolor, oil or acrylic with emphasis on composition and materials.

Coconino County Community College District
Coconino Community College

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) FY 1997-1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
SPA 101	Beginning Spanish I	17	10%
MUP 117	Community Orchestra	11	7%
ENG 101	College Composition I	11	7%
CIS 120	Introduction to Computer Information Systems	9	6%
SPA 102	Beginning Spanish II	8	5%
PSY 101	Introduction to Psychology	8	5%
MAT 121	Intermediate Algebra With Review	7	4%
MAT 151	College Algebra	7	4%
MAT 187	Pre-Calculus	4	2%
SLG 102	American Sign Language II	4	2%
Total for These Courses		86	52%
All Other Miscellaneous Courses		78	48%
Total Number of Students Enrolled in ALL Courses		164	100%

Coconino Community College Course Descriptions

SPA 101 Beginning Spanish I 4 credits

Basic grammar, vocabulary, and culture. Practice in speaking, understanding, reading, and writing Spanish. Four lecture.

MUP 117 Community Orchestra 1 credits

Rehearsal and public performance of standard orchestral literature. Two lab. May be taken S/U credit.

ENG 101 College Composition I 3 credits

Extensive practice in essay writing with emphasis on critical thinking, analytical reading, and observation, and the process of writing. Prerequisite: Placement of "C" or better in ENG 100 or ENG 100X. Three lecture.

CIS 120 Introduction to Computer Information Systems 3 credits

Computer hardware, software, and information processing systems, including the development and hands-on use of application software programs. Two lecture; two lab.

SPA 102 Beginning Spanish II 4 credits

Further emphasis on basic grammar, vocabulary, and culture. Practice in speaking, understanding, reading, and writing Spanish. Prerequisite: SPA 101 or placement. Four lecture.

PSY 101 Introduction to Psychology 3 credits

Scientific method in psychology, a survey of the different fields in psychology, heredity and environment, intelligence, emotions, motivation, the nervous system, and the learning process. Three lecture.

MAT 121 Intermediate Algebra With Review 4 credits

Review of basic algebraic concepts, including exponents and radicals, systems, of equations, polynomials, and graphing quadratic equations. Prerequisite: "C" or better in MAT 087 or MAT 101X, or satisfactory score on the Mathematics Placement Exam. Four lecture.

MAT 151 College Algebra 4 credits

College level algebraic equations and functions including linear, quadratic and radical equations, linear systems and matrix operations, polynomials, and sequences and series. Prerequisite: "C" or better in MAT 121 or satisfactory score on Mathematics Placement Exam. Four lecture.

MAT 187 Pre-Calculus 5 credits

College level algebraic equations and trigonometry. Right angle trigonometry and law of sine/cosine. Prerequisite: "C" or better in MAT 121 or satisfactory score on the Mathematics Placement Exam. Five lectures.

SLG 102 American Sign Language II 3 credits

Sign vocabulary development, speed, and receptive reading techniques. Prerequisite: SLG 101. Three lecture.

OFT 102 Focus on Office Careers**3 credits**

A unique opportunity for potential business students to explore office careers in the Business Systems Career Pathway through a variety of instructional methods. Focuses on 21st century skills and trends in office technology and career exploration that will support career success. 3 Lec./1 Lab. P: None.

HPE 101Y Beginning Physical Activities I-Weights**1 credit****CMP 101 Introduction to Computers****3 credits**

A first course in computers designed to provide beginning students with an understanding of the computer revolution in society, with hands-on experience in a microcomputer and VAX laboratory. 3 Lec. P: None.

ART 102 Color and Design**2-3 credits**

Principles of color theory as related to the visual arts. 4-6 Lab. P: None.

AUT 110 Fuel and Emission Systems**3 credits**

Provides theory, diagnosis, and service of automotive fuel and emission control systems. Includes an opportunity to analyze fuel and emission components and systems with emphasis on practical application of computer controlled fuel and emission systems. This class together with AUT 260 prepares students for ASE Certification Test on Engine Performance. 2 Lec./3Lab. P: None.

HPE 102Y Beginning Physical Activities II-Weights**1 credit**

2 Lab. P: None.

ART 101 Fundamentals of Design**2-3 credits**

Covers the elements of line, value, shape, texture, and color used according to the principles of design in two-dimensional composition. 4-6 Lab. P: None.

Maricopa County Community College District

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) Fall, 1997—Summer II, 1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
ENG 101	First-Year Composition	1,123	7%
ENG 102	First-Year Composition	522	3%
MAT 187	Precalculus	518	3%
BIO 100	Biology Concepts	412	3%
SPA 101	Elementary Spanish I	396	3%
BPC 110	Computer Usage & Application	369	2%
PHY 111	General Physics I	367	2%
SPA 102	Elementary Spanish II	320	2%
MAT 172	Finite Mathematics	311	2%
MAT 212	Brief Calculus	298	2%
Total for These Courses		4,636	29%
All Other Miscellaneous Courses		11,408	71%
Total Number of Students Enrolled in ALL Courses		16,044	100%

Maricopa County Community College District Course Descriptions

ENG 101 First-Year Composition 3 credits

Standard English writing skills. Emphasis on expository composition. Prerequisites: Appropriate English placement test score or a grade of "C" or better, in ENG071.

ENG 102 First-Year Composition 3 credits

Continued development of standard English writing skills. Introduction to research, note taking, organization, and documentation in the preparation and writing of a research paper. Prerequisites: ENG101 with a grade of "C" or better.

MAT 187 Precalculus 5 credits

A precalculus course combining topics from college algebra and trigonometry. Preparation for analytic geometry and calculus. May receive credit for only one of the following: MAT150, MAT151, MAT152, or MAT187. Prerequisites: Grade of "B" or better in MAT120, or MAT122, or equivalent, or satisfactory score on a placement test. Strongly recommended that students have some knowledge of trigonometry.

BIO 100 Biology Concepts 4 credits

A one-semester introductory course covering basic principles and concepts of biology. Methods of scientific inquiry and behavior of matter and energy in biological systems are explored. Field trips may be required at students' expense. Prerequisites: None.

SPA 101 Elementary Spanish I 4 credits

Basic grammar, pronunciation and vocabulary of the Spanish language. Includes the study of the Spanish-speaking cultures. Practice of listening, speaking, reading, and writing skills. Prerequisites: None.

BPC 110 Computer Usage and Applications 3 credits

Exploration of computer operations and uses. Specific applications to business-personal computers. Prerequisites: None.

PHY 111 General Physics I 4 credits

A noncalculus approach to the principles of general physics. Includes mechanics, fluids, sound and heat. Recommended for preprofessional and suggested for certain other majors. Prerequisites: Trigonometry or department consent.

SPA 102 Elementary Spanish II 4 credits

Continued study of grammar and vocabulary of the Spanish language and study of the Spanish-speaking cultures. Emphasis on speaking, reading, and writing skills. Prerequisites: SPA101 or departmental approval.

MAT 172 Finite Mathematics 3 credits

An introduction to the mathematics required for the study of social and behavioral sciences. Includes sets, combinatorics, probability, matrix algebra, linear programming and mathematics of finance. Prerequisites: Grade of "C" or better in MAT150, or MAT151, or MAT152, or equivalent, or satisfactory score on District placement exam.

MAT 212 Brief Calculus 3 credits

An introduction to the theory, techniques and applications of the differential and integral calculus of elementary functions with problems of interest to students in business and the social sciences. Prerequisites: Grade of "C" or better in MAT150, or MAT151, or MAT152, or equivalent, or satisfactory score on District placement exam.

Maricopa County Community College District
Chandler-Gilbert Community College

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) Fall, 1997—Summer II, 1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
ENG 101	First-Year Composition	28	7%
MAT 187	Precalculus	26	6%
BIO 181	General Biology (Majors) I	19	5%
MAT 221	Calculus with Analytical Geometry I	19	5%
PED 115	Lifetime Fitness	18	4%
HIS 104	United States History 1870 to Present	17	4%
MAT 167	Elements of Statistics	16	4%
BIO 182	General Biology (Majors) II	14	3%
BIO 100	Biology Concepts	10	2%
MAT 231	Calculus with Analytic Geometry II	10	2%
Total for These Courses		177	42%
All Other Miscellaneous Courses		249	58%
Total Number of Students Enrolled in ALL Courses		426	100%

Chandler-Gilbert Community College Course Descriptions

ENG 101 First-Year Composition 3 credits

Standard English writing skills. Emphasis on expository composition. Prerequisites:
Appropriate English placement test score or a grade of "C" or better, in ENG071.

MAT 187 Precalculus 5 credits

A precalculus course combining topics from college algebra and trigonometry. Preparation for
analytic geometry and calculus. May receive credit for only one of the following: MAT150,
MAT151, MAT152, or MAT187. Prerequisites: Grade of "B" or better in MAT120, or MAT122,
or equivalent, or satisfactory score on a placement test. Strongly recommended that students
have some knowledge of trigonometry.

BIO 181 General Biology (Majors) I 4 credits

Principles of structure and function of living things at molecular, cellular, and organismic levels
of organization. Field trips may be required at students' expense. Prerequisites: (CHM130 and
CHM130LL), or (CHM151 and CHM151LL), or equivalent, or permission of instructor.

MAT 221 Calculus with Analytic Geometry I 4 credits

Real numbers, limits, continuity, differential and integral calculus of functions of one variable. May receive credit for only one of the following: MAT220 or MAT221. Prerequisites: Grade of "C" or better (MAT150 or MAT151 or MAT152) and MAT182 or MAT187 or equivalent, or satisfactory score on district placement exam.

PED 115 Lifetime Fitness 2 credits

Fitness activity and wellness study to help develop a lifetime of regular exercise, stress management, and proper nutrition. Workout includes warm-up/stretch, aerobic exercise, selected strength exercises, and cool down/stretch. May be repeated for credit. Prerequisites: None.

HIS 104 United States History 1870 to Present 3 credits

The political, economic, and social development of United States from Reconstruction period up to present time. Prerequisites: None.

MAT 167 Elements of Statistics 3 credits

Basic concepts and applications of statistics, including data description, estimation and hypothesis tests. Prerequisites: Grade of "C" or better in MAT150 or MAT151 or MAT152 or equivalent or satisfactory score on District placement exam.

BIO 182 General Biology (Majors) II 4 credits

Additional principles of structure and function of living things at molecular, cellular, and organismic and higher levels of organization. Field trips may be required at students' expense. Prerequisites: BIO181 or permission of instructor.

BIO 100 Biology Concepts 4 credits

A one-semester introductory course covering basic principles and concepts of biology. Methods of scientific inquiry and behavior of matter and energy in biological systems are explored. Field trips may be required at students' expense. Prerequisites: None.

MAT 231 Calculus with Analytic Geometry II 4 credits

Methods of integration, applications of calculus, elements of analytic geometry, improper integrals, sequences and series. May receive credit for only one of the following: MAT230 or MAT231. Prerequisites: Grade of "C" or better in MAT220 or MAT221 or equivalent.

Maricopa County Community College District
Estrella Mountain Community College

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) Fall, 1997—Summer II, 1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
ENG 101	First-Year Composition	76	6%
CHM 151	General Chemistry I	57	5%
CHM 151LL	General Chemistry I Lab	57	5%
SPA 201	Intermediate Spanish I	56	5%
SPA 101	Elementary Spanish I	53	4%
CHM 130	Fundamental Chemistry	48	4%
CHM 130LL	Fundamental Chemistry Lab	48	4%
HIS 104	United States History 1870 to Present	48	4%
HIS 103	United States History to 1870	41	3%
PED 115	Lifetime Fitness	39	3%
Total for These Courses		523	43%
All Other Miscellaneous Courses		682	57%
Total Number of Students Enrolled in ALL Courses		1,205	100%

Estrella Mountain Community College Course Descriptions

ENG 101 First-Year Composition 3 credits

Standard English writing skills. Emphasis on expository composition. Prerequisites:
Appropriate English placement test score or a grade of "C" or better, in ENG071.

CHM 151 General Chemistry I 3 credits

A detailed study of the principles of chemistry. Designed for science majors and students in
pre-professional curricula. Completion of CHM151LL required to meet the Natural Science
requirement. Prerequisites: (CHM130 and CHM130LL) or one year high school chemistry with
a grade of "C" or better, and completion of Intermediate Algebra or equivalent.

CHM 151LL General Chemistry I Laboratory 1 credit

Laboratory experience in support of CHM151. Prerequisites: CHM130LL or equivalent.
Prerequisites or Corequisites: CHM151.

SPA 201 Intermediate Spanish I**4 credits**

Review of essential grammar of the Spanish language and study of the Spanish-speaking cultures and continued practice and development of reading, writing, and speaking skills. Emphasis on fluency and accuracy in spoken Spanish. Prerequisites: SPA102, two years of high school Spanish, or departmental approval.

SPA 101 Elementary Spanish I**4 credits**

Basic grammar, pronunciation and vocabulary of the Spanish language. Includes the study of the Spanish-speaking cultures. Practice of listening, speaking, reading, and writing skills. Prerequisites: None.

CHM 130 Fundamental Chemistry**3 credits**

Elements of general chemistry adapted to the needs of students in agriculture, dental hygiene, home economics, nursing and physical education. Serves to prepare the student for CHM151 or CHM230. Completion of CHM130LL Required to meet the Natural Science Requirement. Prerequisites: Grade of "C" or better in CHM090 or MAT092 or MAT102 or satisfactory score on placement exam.

CHM 130LL Fundamental Chemistry Laboratory**1 credit**

Laboratory experience in support of CHM130. Prerequisites or Corequisites: CHM130.

HIS 104 United States History 1870 to Present**3 credits**

The political, economic, and social development of United States from Reconstruction period up to present time. Prerequisites: None.

HIS 103 United States History to 1870**3 credits**

The political, economic, and social development of United States from Colonial through Reconstruction period. Prerequisites: None.

PED 115 Lifetime Fitness**2 credits**

Fitness activity and wellness study to help develop a lifetime of regular exercise, stress management, and proper nutrition. Workout includes warm-up/stretch, aerobic exercise, selected strength exercises, and cool down/stretch. May be repeated for credit. Prerequisites: None.

Maricopa County Community College District
GateWay Community College

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) Fall, 1997—Summer II, 1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
BPC 110	Computer Usage & Application	299	20%
AAA 150AB	Study Skills Development	210	14%
OAS 101	Typing I: Keyboarding & Formatting	129	8%
AAA 150AC	Educational & Career Planning	102	7%
AUT 101	Internal Combustion Engines Theory	90	6%
PHY 101	Introduction to Physics	90	6%
CIS 183AH	Microsoft Office	46	3%
ELE 100	Concepts of Electricity & Electronics	41	3%
BIO 160	Introduction to Human Anatomy & Physiology	40	2%
GBS151	Introduction to Business	36	2%
Total for These Courses		1,083	71%
All Other Miscellaneous Courses		435	29%
Total Number of Students Enrolled in ALL Courses		1,518	100%

GateWay Community College Course Descriptions

BPC 110 Computer Usage and Applications 3 credits

Exploration of computer operations and uses. Specific applications to business-personal computers. Prerequisites: None.

AAA 150AB Study Skills Development 1 credit

Emphasis on increasing student success through the use of study strategies including materials organization, note-taking, reading, test-taking, memory, and critical and creative thinking. Prerequisites: None.

OAS 101 Typing I: Keyboarding and Formatting 3 credits

Keyboard mastery; letters, tables, and reports; office production; and manuscripts. Prerequisites: None.

AAA 150AC Educational and Career Planning**1 credit**

Emphasis on increasing student success through educational and career planning. Prerequisites: None.

AUT 101 Internal Combustion Engines Theory**3 credits**

Study of construction and operating principles of internal combustion engines and related lubrication, cooling, fuel, and electrical systems. Prerequisites: None.

PHY 101 Introduction to Physics**4 credits**

A survey of physics emphasizing applications of physics to modern life. Designed for students who need a course in physics in order to understand the physical basis of modern technology. Prerequisites: Grade of "C" or better in MAT092, or satisfactory score on Math placement exam.

CIS 183AH Microsoft Office**3 credits**

Utilization of the Microsoft Office integrated software program. Utilizing electronic spreadsheet, word processing, data base, telecommunication, and graphics components to solve business problems. Prerequisites: None.

ELE 100 Concepts of Electricity and Electronics**3 credits**

Principles of electric circuits, magnetism and electromagnetism including basic motors and generators. Use of basic measuring instruments. Includes an overview of electronics in the modern world. Prerequisites: None. Coerequisites: ELE101 or GTC108 or equivalent.

BIO 160 Introduction to Human Anatomy and Physiology**4 credits**

Study of structure and dynamics of the human body. For students who desire a one semester course in anatomy and physiology. Prerequisites: None.

GBS 151 Introduction to Business**3 credits**

Characteristics and activities of current local, national, and international business. An overview of economics, marketing, management and finance. Prerequisites: None.

Maricopa County Community College District
Glendale Community College

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) Fall, 1997—Summer II, 1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
CPD 101	Personal Development	154	9%
CPD 298AA	Special Projects	154	9%
RDG 100	College Study Skills	153	9%
ENG 101	First-Year Composition	111	7%
ENH 110	Introduction to Literature	86	5%
CIS 105	Survey Computer Information Systems	71	4%
ENG 071	Fundamentals of Writing	60	3%
SOC 101	Introduction to Sociology	60	3%
RDG 091	College Reading Skills I	48	3%
MCO 120	Media & Society	46	3%
Total for These Courses		943	55%
All Other Miscellaneous Courses		764	45%
Total Number of Students Enrolled in ALL Courses		1,707	100%

Glendale Community College Course Descriptions

CPD 101 Personal Development 2 credits

Designed to assist students in developing confidence in making personal, social, and educational decisions. Examination and assessment of individual needs, interests, abilities and values to develop and strengthen interpersonal communication, enhance transitional skills and identify realistic life planning goals. Prerequisites: None.

CPD 298AA Special Projects 1 credit

Organized and tailored around the interests and needs of the individual student. Structured to provide an atmosphere of individualized research and study paralleled by professional expertise and guidance. Professional-type facilities and equipment are made available for student use. Allows the best aspects of independent study and individualized learning to be combined to maximize student development. Prerequisites: None.

RDG100 College Study Skills**3 credits**

Analysis of learning styles and development of individual learning strategies. Introduction of library research techniques. Emphasis on learning and study techniques applicable to any college course. Prerequisites: Grade of "C" or better in RDG091 or permission of instructor.

ENG 101 First-Year Composition**3 credits**

Standard English writing skills. Emphasis on expository composition. Prerequisites: Appropriate English placement test score or a grade of "C" or better, in ENG071.

ENH 110 Introduction to Literature**3 credits**

Introduces students to literature through various forms of literary expression; e.g., poetry, drama, essay, biography, autobiography, short story, and novel. Prerequisites: None.

CIS 105 Survey of Computer Information Systems**3 credits**

Overview of computer information systems, fundamental computer concepts, and programming techniques. Hands-on experience with selected business software and one programming language. Prerequisites: None.

ENG 071 Fundamentals of Writing**3 credits**

Emphasis on the fundamentals of sentence, paragraph, and multi-paragraph structure. Prerequisites: Appropriate English placement score, or ENG056, or ENG061, or permission of department chair.

SOC 101 Introduction to Sociology**3 credits**

Fundamental concepts of social organization, culture, socialization, social institutions and social change. Prerequisites: None.

RDG 091 College Reading Skills I**3 credits**

Designed to improve basic reading and study skills, vocabulary and comprehension skills. Recommended to all students whose placement test scores indicate a need for reading instruction. Prerequisites: Reading placement test score (ASSET), or grade of "C" or better in RDG081, or permission of instructor.

MCO 120 Media and Society**3 credits**

A study of the roles of communication media and their economical and psychological impact upon society. Prerequisites: None.

Maricopa County Community College District
Mesa Community College

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) Fall, 1997—Summer II, 1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
ENG 101	First-Year Composition	69	13%
ENG 102	First-Year Composition	37	7%
ANS 110	Introduction to Animal Science	26	5%
AJS 101	Introduction to Criminal Justice	14	3%
ANS 212	Livestock Production & Management	14	3%
PSY 101	Introduction to Psychology	10	2%
FRE 101	Elementary French I	8	2%
HIS 103	United States History to 1870	8	2%
MAT 220	Analytic Geometry & Calculus I	8	2%
POS 220	U.S. & Arizona Constitution	8	2%
Total for These Courses		202	41%
All Other Miscellaneous Courses		291	59%
Total Number of Students Enrolled in ALL Courses		493	100%

Mesa Community College Course Descriptions

ENG 101 First-Year Composition 3 credits

Standard English writing skills. Emphasis on expository composition. Prerequisites: Appropriate English placement test score or a grade of "C" or better, in ENG071.

ENG 102 First-Year Composition 3 credits

Continued development of standard English writing skills. Introduction to research, note taking, organization, and documentation in the preparation and writing of a research paper. Prerequisites: ENG101 with a grade of "C" or better.

ANS 110 Introduction to Animal Science 3 credits

Survey of the total animal industry, including the basis for genetic improvement, principles of nutrition and reproduction, and scientific analysis of meat, milk, and egg production. Study of local agricultural production businesses. Prerequisites: None.

AJS 101 Introduction to Criminal Justice 3 credits

An examination of the organization and jurisdiction of local, state and federal law enforcement, judicial and corrections systems; their history and philosophy; career opportunities and qualifying requirements, terminology and constitutional limitations of the system. Required in AJS curriculum. Prerequisites: None.

ANS 212 Livestock Production and Management 3 credits

Production and management of beef cattle, dairy cattle, sheep, swine, stock horses, goats, and poultry. Evaluation of livestock for agricultural purposes. Housing and care requirements of common livestock. Prerequisites or Corequisites: ANS110 or permission of instructor.

PSY 101 Introduction to Psychology 3 credits

To acquaint the student with basic principles, methods and fields of psychology such as learning, memory, emotion, perception, physiological, developmental, intelligence, social and abnormal. Prerequisites: None.

FRE 101 Elementary French I 4 credits

Basic grammar, pronunciation and vocabulary of the French language. Includes the study of French culture, practice of listening, speaking, reading and writing skills. Prerequisites: None.

HIS 103 United States History to 1870 3 credits

The political, economic, and social development of United States from Colonial through Reconstruction period. Prerequisites: None.

MAT 220 Analytic Geometry and Calculus I 5 credits

Topics from analytic geometry with special emphasis on inequalities and absolute value expressions, limits, continuity, the fundamental principles and formulae for differential and integral calculus along with their applications to geometry and mechanics, the mean value theorems and the fundamental theorem of calculus. May receive credit for only one of the following: MAT220 or MAT221. Prerequisites: Grade of "C" or better in (MAT150 or MAT151 or MAT152) and MAT182 or MAT187 or equivalent, or satisfactory score on district placement exam.

POS 220 U.S. and Arizona Constitution 3 credits

Examination of the United States Constitution and the constitution and government of the State of Arizona. Prerequisites: None.

Maricopa County Community College District
Paradise Valley Community College

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) Fall, 1997—Summer II, 1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
ENG 101	First-Year Composition	131	31%
ENG 102	First-Year Composition	78	19%
CPD 150AA	College Orientation/Personal Growth	23	5%
PSY 101	Introduction to Psychology	12	3%
BIO 100	Biology Concepts	8	2%
SOC 101	Introduction to Sociology	8	2%
MAT 122	Intermediate Algebra Accelerated	7	2%
SPA 101AA	Elementary Spanish I	6	1%
ECN 111	Macroeconomic Principles	5	1%
MAT 241	Calc Analytic Geometry III	5	1%
Total for These Courses		283	67%
All Other Miscellaneous Courses		138	33%
Total Number of Students Enrolled in ALL Courses		421	100%

Paradise Valley Community College Course Descriptions

ENG 101 First-Year Composition 3 credits

Standard English writing skills. Emphasis on expository composition. Prerequisites: Appropriate English placement test score or a grade of "C" or better, in ENG071.

ENG 102 First-Year Composition 3 credits

Continued development of standard English writing skills. Introduction to research, note taking, organization, and documentation in the preparation and writing of a research paper. Prerequisites: ENG101 with a grade of "C" or better.

CPD 150AA College Orientation & Personal Growth 1 credit

Emphasis on increasing student success through college orientation, identification of learning style and the use of time management, goal-setting, and interpersonal communication strategies. Prerequisites: None.

PSY 101 Introduction to Psychology

3 credits

To acquaint the student with basic principles, methods and fields of psychology such as learning, memory, emotion, perception, physiological, developmental, intelligence, social and abnormal. Prerequisites: None.

BIO 100 Biology Concepts

4 credits

A one-semester introductory course covering basic principles and concepts of biology. Methods of scientific inquiry and behavior of matter and energy in biological systems are explored. Field trips may be required at students' expense. Prerequisites: None.

SOC 101 Introduction to Sociology

3 credits

Fundamental concepts of social organization, culture, socialization, social institutions and social change. Prerequisites: None.

MAT 122 Intermediate Algebra Accelerated

3 credits

Algebraic operations on polynomial, rational, and radical expressions and complex numbers; graph polynomial, exponential and logarithmic functions; solve linear, quadratic, rational and absolute value equations and inequalities algebraically and graphically, solve systems of linear equations algebraically and graphically; and real world applications and use of current technology. May receive credit for only one of the following: MAT120 or MAT122. Prerequisites: Grade of "B" or better in MAT090, or MAT091, or MAT092, or equivalent, or satisfactory score on District placement exam.

SPA 101AA Elementary Spanish I

1 credit

Basic grammar, pronunciation and vocabulary of the Spanish language. Includes the study of the Spanish-speaking cultures. Practice of listening, speaking, reading, and writing skills. Prerequisites: none.

ECN 111 Macroeconomic Principles

3 credits

A descriptive analysis of the structure and functioning of the American economy. Emphasis on basic economic institutions and factors that determine national income and employment levels. Consideration given to the macroeconomic topics of national income, unemployment, inflation and monetary and fiscal policies. Prerequisites: None.

MAT 241 Calculus with Analytic Geometry III

4 credits

Vector-valued functions of several variables, multiple integration, introduction to vector analysis. Prerequisites: Grade of "C" or better in MAT230 or MAT231.

Maricopa County Community College District
Phoenix College

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) Fall, 1997—Summer II, 1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
BIO 156	Human Biology for Allied Health	79	6%
BIO 181	General Biology (Majors) I	60	5%
HCE 100	Orientation to Health Care	58	5%
HCE 101	Customer & Patient Relations	58	5%
HES 210	Making Healthy Decision: HIV/AIDS	56	5%
MAT 220	Analytic Geometry & Calculus I	52	4%
PHY 101	Introduction to Physics	51	4%
HES 298AB	Special Projects	44	4%
BIO 182	General Biology (Majors) II	42	3%
CHM 130LL	Fundamental Chemistry Lab	38	3%
Total for These Courses		538	44%
All Other Miscellaneous Courses		669	56%
Total Number of Students Enrolled in ALL Courses		1,207	100%

Phoenix College Course Descriptions

BIO 156 Human Biology for Allied Health 3 credits

An introductory biology course for allied health majors with an emphasis on humans. Topics include fundamental concepts of cell biology, histology, microbiology, and genetics.
Prerequisites: None. One year high school chemistry or one semester of college level chemistry recommended.

BIO 181 General Biology (Majors) I 4 credits

Principles of structure and function of living things at molecular, cellular, and organismic levels of organization. Field trips may be required at students' expense. Prerequisites: (CHM130 and CHM130LL), or (CHM151 and CHM151LL), or equivalent, or permission of instructor.

HCE 100 Orientation to Health Care 1 credit

Introduction to patient care. Overview of health care delivery systems including organizational structure, regulatory agencies, types of medical practices and practitioners in various health care settings. Investigation of career opportunities and ethics in health care settings. Basic public health issues. Accreditation/certification agencies. Prerequisites: None.

HCE 101 Customer and Patient Relations 1.5 credits

Basic interpersonal behavior principles in the health care setting. Emphasis on interpersonal behavior and mental health concepts. Examines management perspective and self-management skills. Prerequisites: None.

HES 210 Making Healthy Decisions: HIV/AIDS 1 credit

HIV transmission and infection; AIDS-related diseases; prevention resources; effects of HIV/AIDS on society and health care system. Prerequisites: None.

MAT 220 Analytic Geometry and Calculus I 4 credits

Topics from analytic geometry with special emphasis on inequalities and absolute value expressions, limits, continuity, the fundamental principles and formulae for differential and integral calculus along with their applications to geometry and mechanics, the mean value theorems and the fundamental theorem of calculus. May receive credit for only one of the following: MAT220 or MAT221. Prerequisites: Grade of "C" or better in (MAT150 or MAT151 or MAT152) and MAT182 or MAT187 or equivalent, or satisfactory score on district placement exam.

PHY 101 Introduction to Physics 3 credits

A survey of physics emphasizing applications of physics to modern life. Designed for students who need a course in physics in order to understand the physical basis of modern technology. Prerequisites: Grade of "C" or better in MAT092, or satisfactory score on Math placement exam.

HES 298AB Special Projects 2 credits

Organized and tailored around the interests and needs of the individual student. Structured to provide an atmosphere of individualized research and study paralleled by professional expertise and guidance. Professional-type facilities and equipment are made available for student use. Allows the best aspects of independent study and individualized learning to be combined to maximize student development. Prerequisites: None.

BIO 182 General Biology (Majors) II 3 credits

Additional principles of structure and function of living things at molecular, cellular, and organismic and higher levels of organization. Field trips may be required at students' expense. Prerequisites: BIO181 or permission of instructor.

CHM 130LL Fundamental Chemistry Laboratory 1 credit

Laboratory experience in support of CHM130. Prerequisites or Corequisites: CHM130.

Maricopa County Community College District
Rio Salado College

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) Fall, 1997—Summer II, 1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
MAT 187	Precalculus	477	7%
ENG 101	First-Year Composition	444	6%
BIO 100	Biology Concepts	350	5%
PHY 111	General Physics I	314	4%
SPA 101	Elementary Spanish I	310	4%
MAT 172	Finite Mathematics	307	4%
MAT 212	Brief Calculus	280	4%
SPA 102	Elementary Spanish II	268	4%
MAT 221	Calculus with Analytic Geometry I	242	3%
ENG 102	First-Year Composition	222	3%
Total for These Courses		3,214	44%
All Other Miscellaneous Courses		4,174	56%
Total Number of Students Enrolled in ALL Courses		7,388	100%

Rio Salado College Course Descriptions

MAT 187 Precalculus 5 credits

A precalculus course combining topics from college algebra and trigonometry. Preparation for analytic geometry and calculus. May receive credit for only one of the following: MAT150, MAT151, MAT152, or MAT187. Prerequisites: Grade of "B" or better in MAT120, or MAT122, or equivalent, or satisfactory score on a placement test. Strongly recommended that students have some knowledge of trigonometry.

ENG 101 First-Year Composition 3 credits

Standard English writing skills. Emphasis on expository composition. Prerequisites: Appropriate English placement test score or a grade of "C" or better, in ENG071.

BIO 100 Biology Concepts 3 credits

A one-semester introductory course covering basic principles and concepts of biology. Methods of scientific inquiry and behavior of matter and energy in biological systems are explored. Field trips may be required at students' expense. Prerequisites: None.

PHY 111 General Physics I 4 credits

A noncalculus approach to the principles of general physics. Includes mechanics, fluids, sound and heat. Recommended for preprofessional and suggested for certain other majors. Prerequisites: Trigonometry or department consent.

SPA 101 Elementary Spanish I 4 credits

Basic grammar, pronunciation and vocabulary of the Spanish language. Includes the study of the Spanish-speaking cultures. Practice of listening, speaking, reading, and writing skills. Prerequisites: None.

MAT 172 Finite Mathematics 3 credits

An introduction to the mathematics required for the study of social and behavioral sciences. Includes sets, combinatorics, probability, matrix algebra, linear programming and mathematics of finance. Prerequisites: Grade of "C" or better in MAT150, or MAT151, or MAT152, or equivalent, or satisfactory score on District placement exam.

MAT 212 Brief Calculus 3 credits

An introduction to the theory, techniques and applications of the differential and integral calculus of elementary functions with problems of interest to students in business and the social sciences. Prerequisites: Grade of "C" or better in MAT150, or MAT151, or MAT152, or equivalent, or satisfactory score on District placement exam.

SPA 102 Elementary Spanish II 4 credits

Continued study of grammar and vocabulary of the Spanish language and study of the Spanish-speaking cultures. Emphasis on speaking, reading, and writing skills. Prerequisites: SPA101 or departmental approval.

MAT 221 Calculus with Analytic Geometry II 4 credits

Methods of integration, applications of calculus, elements of analytic geometry, improper integrals, sequences and series. May receive credit for only one of the following: MAT 230 or MAT 231. Prerequisites: Grade of "C" or better in MAT 220 or MAT 221 or equivalent.

ENG 102 First-Year Composition 3 credits

Continued development of standard English writing skills. Introduction to research, note taking, organization, and documentation in the preparation and writing of a research paper. Prerequisites: ENG101 with a grade of "C" or better.

Maricopa County Community College District
Scottsdale Community College

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) Fall, 1997—Summer II, 1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
ENG 101	First-Year Composition	81	13%
PHY 121	University Physics I: Mechanics	41	7%
ENG 102	First-Year Composition	35	6%
PSY 101	Introduction to Psychology	21	3%
PED 115	Lifetime Fitness	17	3%
MAT 122	Intermediate Algebra Accelerated	14	2%
PHY 131	University Physics II: Elec/Magnetism	12	2%
ECN 111	Macroeconomic Principles	10	2%
MAT 092	Introductory Algebra	9	1%
MAT 151	College Algebra/Functions	9	1%
Total for These Courses		249	40%
All Other Miscellaneous Courses		370	60%
Total Number of Students Enrolled in ALL Courses		619	100%

Scottsdale Community College Course Descriptions

ENG 101 First-Year Composition 3 credits

Standard English writing skills. Emphasis on expository composition. Prerequisites: Appropriate English placement test score or a grade of "C" or better, in ENG071.

PHY 121 University Physics I: Mechanics 4 credits

Kinematics, Newton's laws, work, energy, momentum, conservation laws, dynamics of particles, solids, fluids, mechanical waves, and sound. Prerequisites: MAT220 or MAT221 or department consent. One year of High School physics or PHY111 and PHY112 is strongly recommended.

ENG 102 First-Year Composition 3 credits

Continued development of standard English writing skills. Introduction to research, note taking, organization, and documentation in the preparation and writing of a research paper. Prerequisites: ENG101 with a grade of "C" or better.

PSY 101 Introduction to Psychology 3 credits

To acquaint the student with basic principles, methods and fields of psychology such as learning, memory, emotion, perception, physiological, developmental, intelligence, social and abnormal. Prerequisites: None.

PED 115 Lifetime Fitness 2 credits

Fitness activity and wellness study to help develop a lifetime of regular exercise, stress management, and proper nutrition. Workout includes warm-up/stretch, aerobic exercise, selected strength exercises, and cool down/stretch. May be repeated for credit. Prerequisites: None.

MAT 122 Intermediate Algebra Accelerated 3 credits

Algebraic operations on polynomial, rational, and radical expressions and complex numbers; graph polynomial, exponential and logarithmic functions; solve linear, quadratic, rational and absolute value equations and inequalities algebraically and graphically, solve systems of linear equations algebraically and graphically; and real world applications and use of current technology. May receive credit for only one of the following: MAT120 or MAT122. Prerequisites: Grade of "B" or better in MAT090, or MAT091, or MAT092, or equivalent, or satisfactory score on District placement exam.

PHY 131 University Physics II: Electricity and Magnetism 4 credits

Electric charge and current, electric and magnetic fields in vacuum and in materials, and induction. AC circuits, displacement current, and electromagnetic waves. Prerequisites: MAT230 or MAT231 or department consent and PHY121. Corequisites: MAT241 or department consent.

ECN 111 Macroeconomic Principles 3 credits

A descriptive analysis of the structure and functioning of the American economy. Emphasis on basic economic institutions and factors that determine national income and employment levels. Consideration given to the macroeconomic topics of national income, unemployment, inflation and monetary and fiscal policies. Prerequisites: None.

MAT 092 Introductory Algebra 3 credits

Basic axioms of algebra, linear equations in one and two variables, operations on polynomials, rational expressions, graphing of linear equations and the solving of linear equations. May receive credit for only one of the following: MAT090, MAT091, or MAT092. Prerequisites: Grade of "C" or better in MAT082, or MAT102, or equivalent, or satisfactory score on District Placement exam.

MAT 151 College Algebra/Functions 4 credits

A study of quadratic equations, relations and functions, theory of equations, systems of equations and inequalities, matrices and determinants, binomial theorem, sequences, series, permutations, combinations and probability. May receive credit for only one of the following: MAT150, MAT151, MAT152, or MAT187. Prerequisites: Grade of "C" or better in MAT120, or MAT122, or equivalent, or satisfactory score on District placement exam.

Maricopa County Community College District
South Mountain Community College

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) Fall, 1997—Summer II, 1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
CPD 150	Success Orientation Seminar	147	14%
ENG 101	First-Year Composition	143	13%
CRE 101	Critical & Evaluative Reading I	89	8%
RDG 091	College Reading Skills I	70	7%
ENG 102	First-Year Composition	59	6%
ENG 071	Fundamentals of Writing	47	4%
RDG 081	Reading Improvement	40	4%
BIO 100	Biology Concepts	34	3%
BPC 100	Business-Personal Computers	29	3%
EQS 120	Equine Anatomy & Physiology	24	2%
Total for These Courses		682	64%
All Other Miscellaneous Courses		378	36%
Total Number of Students Enrolled in ALL Courses		1,060	100%

South Mountain Community College Course Descriptions

CPD 150 Strategies for College Success 3 credits

Focus on increasing student success through college orientation and personal growth, study skills development, and educational and career planning. Prerequisites: None.

ENG 101 First-Year Composition 3 credits

Standard English writing skills. Emphasis on expository composition. Prerequisites: Appropriate English placement test score or a grade of "C" or better, in ENG071.

CRE 101 Critical and Evaluative Reading I 3 credits

Emphasis on applying critical inquiry skills to varied and challenging reading materials. Includes analysis, synthesis, and evaluation through written discourse. Prerequisites: ENG101 and (reading placement test score of 41 or higher (ASSET), or grade of "C" or better in RDG091, or permission of instructor.)

RDG 091 College Reading Skills I

3 credits

Designed to improve basic reading and study skills, vocabulary and comprehension skills. Recommended to all students whose placement test scores indicate a need for reading instruction. Prerequisites: Reading placement test score (ASSET), or grade of "C" or better in RDG081, or permission of instructor.

ENG 102 First-Year Composition

3 credits

Continued development of standard English writing skills. Introduction to research, note taking, organization, and documentation in the preparation and writing of a research paper. Prerequisites: ENG101 with a grade of "C" or better.

ENG 071 Fundamentals of Writing

3 credits

Emphasis on the fundamentals of sentence, paragraph, and multi-paragraph structure. Prerequisites: Appropriate English placement score, or ENG056, or ENG061, or permission of department chair.

RDG 081 Reading Improvement

3 credits

Designed to improve basic reading skills. Includes word recognition, prediction of contents of reading selections, and development of basic vocabulary. Emphasis on identifying main ideas and related details. Reviews following directions and the understanding of graphic materials. Prerequisites: Placement test scores, or permission of instructor.

BIO 100 Biology Concepts

4 credits

A one-semester introductory course covering basic principles and concepts of biology. Methods of scientific inquiry and behavior of matter and energy in biological systems are explored. Field trips may be required at students' expense. Prerequisites: None.

BPC 100 Business-Personal Computers

2 credits

Introduction to the use of personal computers in the business environment. Computer hardware components, operating system functions and concepts. Procedures for running and using business application software to produce documents and spreadsheets. Prerequisites: None.

EQS 120 Equine Anatomy and Physiology

3 credits

Study of structure and function of the equine. Includes cell structure and anatomy and physiology of major systems with emphasis on skeletal, muscular, and digestive systems. Prerequisites: None.

Mohave County Community College District
Mohave Community College

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) FY 1997-1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
AED 061	ABE/Pre-GED	38	7%
CIS 100	Microcomp Appl - IBM	14	3%
THE 092	ACE That Audition	8	2%
THE 111	Theater Prod I - Beg	8	2%
MAT 020	Math Essentials	7	1%
MUS 113	Vocal Ensemble I	7	1%
CIS 120	Programming in Basic	6	1%
AOT 110	Word Processing I	5	1%
ENG 088	Elements of Writing	5	1%
ENG 089	Approach to Writing	5	1%
Total for These Courses		103	20%
All Other Miscellaneous Courses		407	80%
Total Number of Students Enrolled in ALL Courses		510	100%

Mohave Community College Course Descriptions

AED 061 Adult Basic Education/Pre-GED 2 credits

Lecture and individualized instruction for students who are working at the eight grade level or below. This is a preparatory course for the GED program. Areas studied include: basic reading, writing, math, and study skills. Grading is "S" (Satisfactory) or "U" (Unsatisfactory). On-campus classes require attendance and registration at weekly ABE/GED orientation. One lecture; two lab.

CIS 100 Microcomputer Applications-IBM 3 credits

For people with little or no experience with computers. Introduces students to what microcomputers can do and how they work by providing Ahands on@ experience operating computers. Covers business, personal, and education applications. Three lecture.

THE 092 Ace That Audition 0.5 credit

The most important phase in the entire production is the audition and casting process. Strong casts have overcome weak scripts, and strong scripts have been ruined by miscast actors. Learn the auditioning process: what a director looks for, how to show your skills the best, how

to beat fear and competition, and how to deal with the final audition outcome. Intermediate to advanced theater students will study intensive audition techniques. Course will include utilization of trial auditions, role playing, lecture, and demonstration. .25 lecture/.25 lab.

THE 111 Theatre Production I 4 credits

Includes techniques of speech and movement on the stage, pantomime, character analysis, and participation in laboratory scenes and department production. Eight lab.

MAT 020 Math Essentials 3 credits

Includes review and practice of basic operations on whole numbers, fractions, decimals, and percentages. This course also includes an introduction to the metric system, some work with perimeters and areas, and a brief introduction to signed numbers. Three lecture.

MUS 113 Vocal Ensemble 1 credit

A selective choral group specializing in the performance of advanced literature including major works, jazz, and madrigals. Public appearances scheduled throughout the academic year. Attendance at all rehearsals and concerts mandatory. Two lab.

CIS 120 Introduction to Programming 3 credits

Students will learn to program a computer using a programming language. The major goal is for students to design workable programs to solve business problems. Design tools and the structure of computer programs will be emphasized. Three lecture.

AOT 110 Word Processing I: (Software) 3 credits

Introduces the basic features of a word processing program emphasizing skills for use in the office. A student may repeat AOT 110 for each package desired. Three lecture.

ENG 088 Elements of Writing 3 credits

A beginning study in reading and English grammar designed to give the student an understanding of the structure of English. Includes frequent practice in expressing ideas in sentences and short paragraphs which are based upon reading assignments. Assignment to the class is based on assessment testing. Three lecture.

ENG 089 Approaches to Writing 3 credits

An intensive review of the fundamentals of grammar, word usage, punctuation, and sentence structure with emphasis on the fundamentals of paragraph structure and the writing of short essays to prepare the student for English 101. Three lecture.

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) FY 1997-1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
MAT 130	College Algebra	176	17%
ENL 101	College Composition I	126	12%
MAT 155	Precalculus Algebra/Trigonometry	106	10%
SPA 101	Elementary Spanish I	77	7%
LAN 160	Beginning Sign Language	67	6%
ENL 102	College Composition II	56	5%
POS 110	American Government	54	5%
MAT 120	Intermediate Algebra	53	5%
WLD 125	Arc Welding I	44	4%
SPA 102	Elementary Spanish II	41	4%
	Total for These Courses	517	49%
	All Other Miscellaneous Courses	532	51%
	Total Number of Students Enrolled in ALL Courses	1,049	100%

MAT 130	College Algebra	3 credits
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Third course in algebra, presenting concepts at the college level. The approach is intuitive and interactive, with an emphasis on real-life applications. Covers basic algebra concepts, equations and inequalities, functions, systems of linear equations, and sequences, series, and combinatorics.

ENL 101 College Composition I 3 credits

Writing college level, academic essays.

MAT 155 **Precalculus Algebra/Trigonometry** **3 credits**

Algebra and trigonometry necessary to prepare for calculus. Covers polynomial and rational functions; trigonometric functions, triangles, vectors and applications, matrices and determinants and systems of second-degree equations.

SPA 101 Elementary Spanish I

4 credits

Introduction to the Spanish language, with emphasis on developing the skills of listening, speaking, reading and writing. Stress on basic grammar, pronunciation, vocabulary, and culture.

LAN 160 Beginning Sign Language

3 credits

Manual communication of ideas and words through manual signs and fingerspelling (dactylology) using a combination of American Sign Language (ALS) and Signed English.

ENL 102 College Composition II

3 credits

Writing college level, documented critical essays, including a longer research paper.

POS 110 American Government

3 credits

Introduction of various aspects of the national government: constitutional framework, structures, courts, Congress, presidency, interest groups, political parties. Satisfies teacher certification requirements for federal constitution.

MAT 120 Intermediate Algebra

3 credits

Extends understanding of basic algebraic concepts and skills. Techniques for solving equations, inequalities, polynomials, powers and roots and equations of second degree are covered in depth. Many applications are considered.

WLD 125 Arc Welding I

2 credits

Welding machines (DC & AC) history, electrodes, weld symbols. Stick electrode welding in the flat position.

SPA 102 Elementary Spanish II

4 credits

Continuation of the study of fundamental patterns in SPA 101. Emphasis continues on the comprehension, speaking, reading and writing aspects.

Pima County Community College District
Pima Community College

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) FY 1997-1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
WRT 101	Writing I	167	4%
GIB 197	Training: Police Science Careers	161	4%
HDE 190	Career Exploration	158	4%
HDE 100	College Success Skills	133	3%
WRT 100	Writing Fundamentals	126	3%
CSC 101	Computer Literacy	118	3%
BIO 181	General Biology (Majors) I	101	2%
MAT 172	Finite Mathematics	99	2%
MAT 092	Elementary Algebra	96	2%
WRT 102	Writing II	93	2%
Total for These Courses		1,252	29%
All Other Miscellaneous Courses		3,007	71%
Total Number of Students Enrolled in ALL Courses		4,259	100%

Pima Community College Course Descriptions

WRT 101 Writing I 3 credits

Prerequisite(s): WRT 100 or satisfactory score on writing assessment test.
Principles of good writing with emphasis on the technique and practice of description, explanation and argumentation. (3 lec.)

GIB 197 Training/Police Science Careers 1 credit

Exploratory course to introduce students to careers in police science. Includes exploration of various law enforcement agencies. (1 lec.)

HDE 190 Career Exploration 2 credits

Development of the skills and confidence necessary to get a job. Includes locating job openings, resume writing, interview techniques, effectiveness on the job and improving employment opportunities. (1 lec.)

HDE 100 College Success Skills**1 credit**

Skills and techniques required for being an efficient student. Includes goal setting and problem solving, time management, organizing study materials/study techniques, college/community resources, learning styles, concentration and memory, note-taking techniques, tips for making note-taking easier, test-taking techniques, and test anxiety. (1 lec.)

WRT 100 Writing Fundamentals**3 credits**

Prerequisite(s): WRT 070 or satisfactory score on writing assessment test.
Review of sentence structure, mechanics and usage. Includes paragraph development and short essay organization. (3 lec.)

CSC 101 Computer Literacy**3 credits**

Introduction to basic computer skills, includes computer terminology, operating systems, file management, and communications. Also includes a brief overview of word processing, spreadsheet, and data base applications. (3 lec., 1 lab)

BIO 181 General Biology I**4 credits**

Prerequisite(s): Equivalent of one semester college chemistry, Assessed placement at MAT 122 and REA 091. Principles of structure and function of living things at the molecular, cellular and organismic levels of organization. Includes scientific process; chemistry of the cell; cell structure, function, and reproduction; inheritance; molecular biology and biotechnology. (3 lec., 3 lab)

MAT 172 Finite Mathematics**3 credits**

Prerequisite(s): MAT 152. Mathematics for students majoring in business, includes set theory, partitions, permutations, combinations, probability, Bernoulli trials, Markov chains and the simplex method of linear programming. (3 lec.)

MAT 092 Elementary Algebra**3 credits**

Prerequisite(s): MAT 086 or satisfactory score on the mathematics assessment test.
Introduction to basic algebra. Includes the real number system, algebraic expressions, linear equations and inequalities, integer exponents, polynomials, simple rational expressions, and square roots. (3 lec.)

WRT 102 Writing II**3 credits**

Prerequisite(s): WRT 101.
Practice in writing analytical compositions, including a research paper or annotated papers. Includes readings in fiction, poetry, drama or non-fiction as a basis for writing. (3 lec.)

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) FY 1997-1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
ENG 101	English Composition III	164	14%
ENG 102	English Composition IV	63	5%
MAT 121	Intermediate Algebra	54	5%
GED 095	GED Studies	50	4%
MUP 118	Bell Choir Ringers	50	4%
GED 091	Pre-GED Studies	47	4%
ENG 100	English Composition II	42	4%
MAT 081	Arithmetic Review	34	3%
SPA 101	Elementary Spanish I	34	3%
MAT 091	Introductory Algebra	30	2%
	Total for These Courses	568	48%
	All Other Miscellaneous Courses	626	52%
	Total Number of Students Enrolled in ALL Courses	620	100%

ENG 101 English Composition III 3 credits

ENG 102 English Composition IV 3 credits

Further emphasis on critical reading and essay writing, with each student writing short essays as well as an extended research paper, engaging students in the reading, thinking, and writing processes central to academic research: paraphrase, summary, critical analysis, and synthesis.

MAT 121 Intermediate Algebra, Standard 4 credits

Development of computational and manipulative skills in working with algebraic expressions and equations necessary for success in MAT150.

GED 095 GED Studies 6 credits

Improvement of reading mathematics and writing skills in order to pass the GED exam.

MUP 118 Bell Choir Ringers 1 credit

A variety of music specifically for hand bells focusing on a repertoire prepared and performed in public and at college functions

GED 091 Pre-GED studies 6 credits

Improvement of basic reading, mathematical, and writing skills in order to advance to GEDstudies level.

ENG 100 English Composition II 3 credits

Development of one's ability to generate and express ideas in a variety of written forms: journal, letter, paragraph, and essay; with emphasis on idea development, and aspects of punctuation, grammar, and spelling which enhance the communication of that idea.

MAT 081 Arithmetic Review 4 credits

Development of arithmetic skills for foundation in other mathematics courses, stressing number awareness and arithmetic processes.

SPA 101 Elementary Spanish I 4 credits

The basic skills of understanding, speaking, reading, and writing Spanish with a survey of cultural materials from Spanish-speaking countries.

MAT 091 Introductory Algebra, Standard 4 credits

The fundamental concepts of elementary algebra.

Yavapai County Community College District
Yavapai College

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) FY 1997-1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
ENG 101	College Composition I	108	10%
ENG 102	College Composition II	57	6%
MTH 131	College Algebra	43	4%
MTH 130	Intermediate Algebra	35	3%
MTH 037	Beginning Algebra	34	3%
MTH 135	Precalculus	28	3%
ENG 100	Introductory Composition	22	2%
CSA 111	Keyboarding	17	2%
PHE 148	Weight Training I	17	2%
MUS 111	Symphonic Band	16	1%
Total for These Courses		377	36%
All Other Miscellaneous Courses		657	64%
Total Number of Students Enrolled in ALL Courses		1,034	100%

Yavapai College Course Descriptions

ENG 101 College Composition I 3 credits

Extensive practice in composing essays. Emphasis on processes of writing, reading, and critical thinking. Introduction to library skills. Enrollment by placement testing or successful completion of ENG 100. 3 lecture.

ENG 102 College Composition II 3 credits

Extensive practice in critical reading and writing about literature, with emphasis on fluency in critical writing. Includes additional library skills and writing a critical, documented essay. Prerequisite: ENG 101. 3 lecture.

MTH 131 College Algebra 3 credits

Relations and functions, determinants, matrices, complex numbers, math induction, sequences and series, binomial theorem, theory of equations. Prerequisite: satisfactory score on mathematics placement assessment or "C" or better in MTH 130 or equivalent. 3 lecture.

MTH 130 Intermediate Algebra**3 credits**

Topics covered: factoring of polynomials, evaluation and simplification of algebraic expressions, complex fractions, quadratic equations, rational equations, roots and radicals, complex numbers, conic sections, non-linear systems, computations with logarithms. Prerequisite: MTH 037, or equivalent, or satisfactory score on mathematics placement assessment. 3 lecture.

MTH 037 Beginning Algebra**3 credits**

Signed numbers, exponents, algebraic expressions, factoring, solving equations, graphing geometric figures and formulae, polynomials, roots and radicals and systems of equations. Prerequisite: Arithmetic skills or satisfactory score on mathematics placement assessment. Repeatable. 3 lecture.

MTH 135 Precalculus**5 credits**

Topics from college algebra and trigonometry essential to the study of calculus and analytic geometry. Algebraic, exponential, logarithmic, trigonometric, and inverse trigonometric functions, complex numbers, linear and nonlinear systems of equations and inequalities, and sequences and series. Prerequisites: "C" or better in MTH 130 or equivalent, or a satisfactory score on mathematics placement assessment. Duplicate credit for MTH 131/MTH 132 and MTH 135 will not be awarded. 5 lecture.

ENG 100 Introductory Composition**3 credits**

Introduction to basic writing and reading skills required for success in college, with emphasis on fluency in personal, descriptive, and process analysis prose. Concurrent enrollment in ENG 031 may be required. 3 lecture.

CSA 111 Keyboarding**1 credit**

Presentation of the keyboard including the 10-key pad by touch. Development of correct techniques for a variety of applications including word processing, computer programming, data entry, and computer interaction. 3 lab.

PHE 148 Weight Training I**1 credit**

Introduction to free weight training. Emphasis on lifting technique and program building for endurance, strength, or hypertrophy. Repeatable. 2 lab.

MUS 111 Symphonic Band**1 credit**

Open to all students in the College. Attendance at all rehearsals and participation in all public performances is required. Repeatable. 3 lab.

Yuma and La Paz Counties Community College District
Arizona Western College

*Report on Admission of Students Under the Age of Eighteen
(A.R.S. § 15-1821) FY 1997-1998*

Course Number	Course Title	Number of Students Enrolled	Percent of Students Enrolled
PER 103	Physical Education Activities	29	26%
ENG 101	Freshman Composition	6	5%
PER 104	Physical Education Activities	4	4%
ESL 091	Structure I	3	3%
MAT 082	Beginning Algebra	3	3%
ART 099	Hobby Photography	2	2%
ART 203	Ceramics	2	2%
AST 100	Astronomy	2	2%
BIS 092	MS-Windows (IBM Compatable)	2	2%
BIS 098	Computers Made Easy	2	2%
MAT 072	Essentials of Mathematics	2	2%
MAT 187	Precalculus	2	2%
PHI 101	Introduction to Philosophy	2	2%
Total for These courses		61	56%
All Other Miscellaneous Courses		47	44%
Total Number of Students Enrolled in ALL Courses		108	100%

Arizona Western College Course Descriptions

PER 103 Special Activities 1 credit

A physical education course for those who are unable to participate in regular activity programs.

ENG 101 Freshman Composition 3 credits

A course in analytical writing with emphasis on organization, prose, rhetorical, and styles of writing. Prerequisite: Appropriate score on English placement test or "C," or better in ENG 100.

PER 104 Physical Education Activities 1 credit

Intermediate level of any of the course listed under PER 103.

ESL 091 Structure I 6 credits

Structure 1 incorporates integrated language instruction with an emphasis on beginning grammatical concepts. Prerequisite: Literate; instructor's permission or a proficient entrance score on the ESL placement exam.

MAT 082 Beginning Algebra 3 credits

A comprehensive review of the techniques and skills of Beginning Algebra. Prerequisite: "C" or better in MAT 72, or appropriate score on CPT.

ART 099 Hobby Photography 3 credits

Basic introduction to the fundamentals of photography.

ART 203 Ceramics I 3 credits

A hands-on look at the history of the use of clay and how it leads to the development of contemporary ceramic art.

AST 100 Astronomy 4 credits

A survey of stars, planets, galaxies, and life in the cosmos. Evolution of the stars; planet formation and global change; origin and destiny of the Universe; space exploration and the search for extraterrestrial intelligence. Prerequisite: Appropriate score on English placement test.

BIS 092 MS-Windows (IBM Compatible) 2 credits

A course that teaches the basic skills of Windows.

BIS 098 Computers Made Easy 2 credits

An introduction to the very basics of how to use a computer.

MAT 072 Essentials of Mathematics 3 credits

A comprehensive review of the techniques and skills of arithmetic.

MAT 187 Precalculus 5 credits

The further development of algebra with a concentration on functions and a study of exponentials, logarithms, sequences, and series. This course also includes a study of trigonometric functions and identities, graphing calculator is required. Prerequisite: MAT 122 with a grade of "C" or better or an acceptable score on the placement test.

PHI 101 Introduction to Philosophy 3 credits

This course introduces students to the great issues and literature in philosophy: the universe and God, the nature of persons, action and free will, knowledge and truth, the good, the ideal community, and conflicts between individuals and the state. The emphasis is primarily on Western philosophy. Prerequisite: Appropriate test score on placement test.